

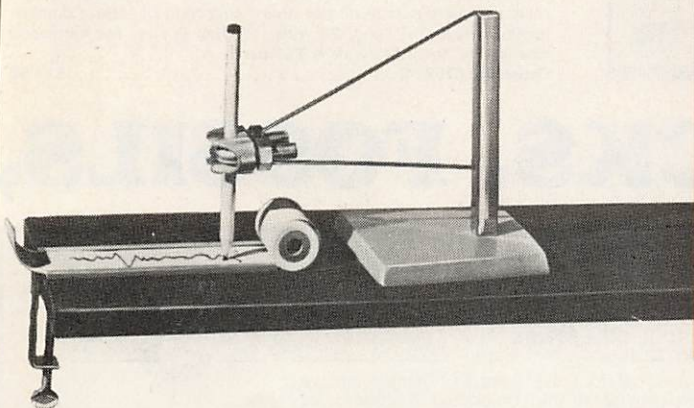
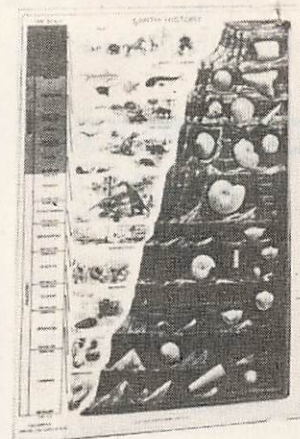
# Physical & Earth Science

SCHOOLMASTERS TEACHING AIDS

745 STATE CIRCLE

## Earth History Model

- 04081-2 EARTH HISTORY MODEL . . . . . \$39.95  
 04162-2 5 ADDITIONAL SETS OF FOSSILS EACH . . . . . \$14.95  
 04243-2 ADDITIONAL LESSON PLANS . . . . . \$ .50
- A series of twenty reproduction fossils mounted in model depicting rock layers from Cambrian time until present for study of fossils and rock dating. .Simplified time scale.



## Seismograph Simulator

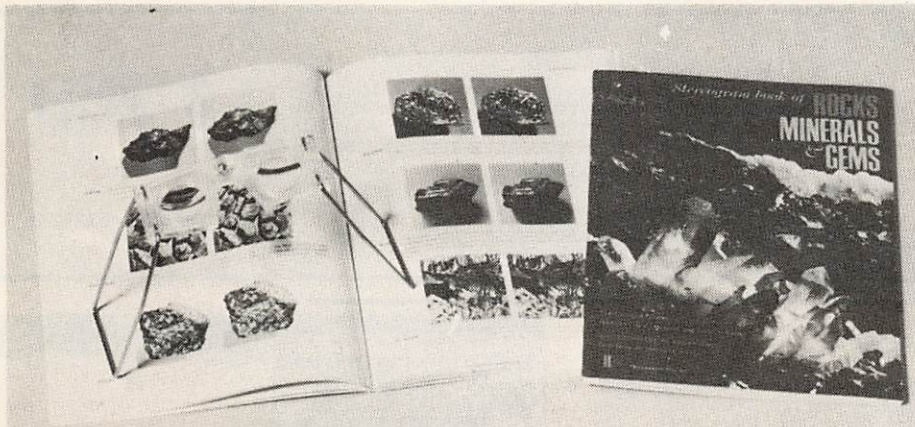
12" x 6" x 5" **\$14.95**

Model seismograph demonstrates the basic components & principles of an actual seismograph used to record earthquake shock waves. .Recorder is attached to a weight suspended from a support. .The support moves with vibrations, but recorder remains stationary due to its inertia. .Vibrations are then recorded on a strip of paper as it is pulled through recording frame. .Simulate earthquakes by vibrating the table. .Lesson Plan included.  
 Order No. 04405-2 Seismograph Simulator . . . . . \$14.95  
 Order No. 04472-2 Additional Lesson Plans . . . . . \$ .45

## Geology Demonstration Kit

**\$21.95**

Permits students at all levels to visualize causes and forces that shape earth's surface. .Kit consists of watertight tray, 3 pieces of colored foam, 3 simulated rock formations, an erupting volcano and a Comprehensive Teacher's Study Guide.  
 Order No. 06513-2 . . . . . \$21.95



## Stereogram

BOOK OF  
**Rocks, Minerals  
 and Gems**  
**\$7.49**

Features full-color photographs of rock, mineral and gem specimens reproduced in matched pairs for stereo viewing that approximates actual examination of the specimens. .Six full stereo pictures of crystal system models help define crystal concepts. .Also includes a stereoscope, which provides

clear, three-dimensional images when used with stereogram book or with any matched pair of stereograms. .Focal length of 4.7 inches. .2.2 power magnification. .Adjustable inter-pupillary distance. .Legs fold for compact storage. Order No. 06459-2 . . . . . \$7.49 Per Set



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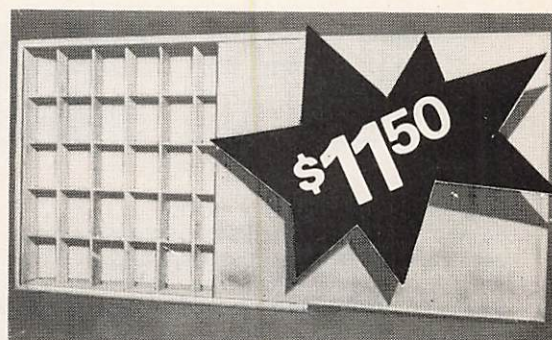
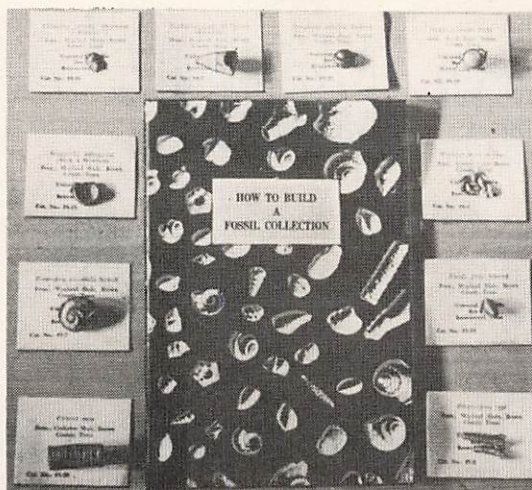
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## COMPLETE FOSSILS SET

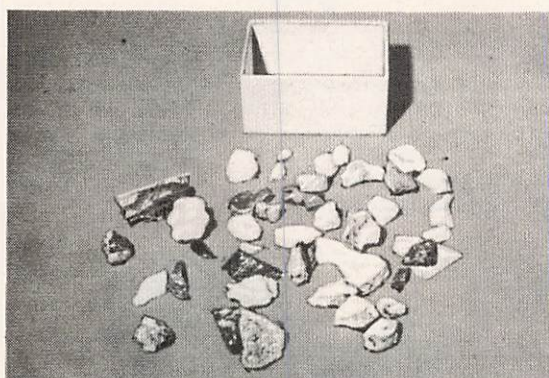
**\$6<sup>95</sup>**

**STARTER FOSSIL SET.** . . Ten different representative fossils of the Pennsylvania Period of the Paleozoic Era. . . Set includes various classes and phyla. . . Comes with book explaining collection and identification of fossil, plus price list of many more fossils. Order No. 02925-2 . . . **\$6.95**



**COLLECTORS DISPLAY BOX FOR ROCKS & MINERALS.** . . Hardwood case with sliding cover and foam rubber padding, has forty compartments to display a nice collection of rocks. Compartment, average 2½" long, 2" wide, 1" deep in size. The hardwood case is 17¼" long, 14" wide & 1¼" deep. Order No. 02992-2 . . . **\$11.50**

## ROCKS, FOSSILS,



### WASHINGTON SCHOOL COLLECTION (STUDENT COLLECTION)

Forty specimens identical to those used in "Comprehensive set". The specimens are small and unlabeled. Excellent for student identification. Packaged in a heavy-duty cardboard box.

**\$3<sup>10</sup>**

(Order No. 03077-2)

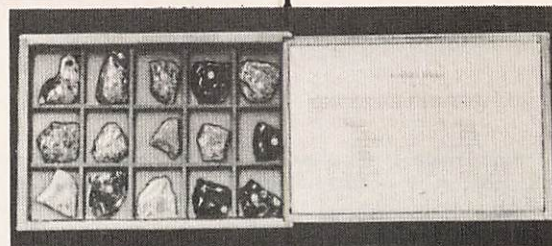
**\$7<sup>69</sup>**

(Order No. 03131-2)

### IGNEOUS ROCKS—Set of 15

Fifteen common igneous rocks averaging 1x1½" in size are included in this set. An index card briefly describing igneous rocks and identifying each of the specimens is provided. Specimens packaged in a compartmented hardwood case are as follows:

Pegmatite	Syenite	Rhyolite
Granite (coarse)	Granodiorite	Lava
Granite (fine)	Andesite	Pumice
Gabbro	Diorite	Scoria
Porphyry	Basalt	Obsidian



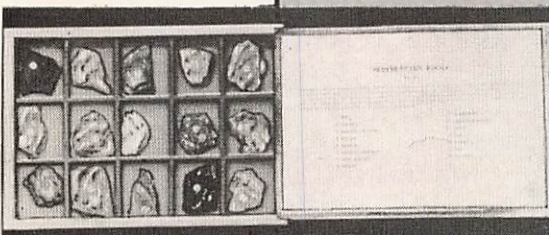
### SEDIMENTARY ROCKS—Set of 15

Fifteen common sedimentary rocks packaged in a compartmented hardwood case. Reference card defining sedimentary rocks and identifying each specimen is included. Each specimen averages 1x1½" in size. Specimens included are:

Shale	Sandstone, argillaceous	Arkose
Limestone	Halite (rock salt)	Clay
Limestone, fossiliferous	Gypsum	Siltstone
Dolomite	Conglomerate	Coal
Sandstone	Jasper Conglomerate	Travertine

**\$7<sup>69</sup>**

(Order No. 03212-2)



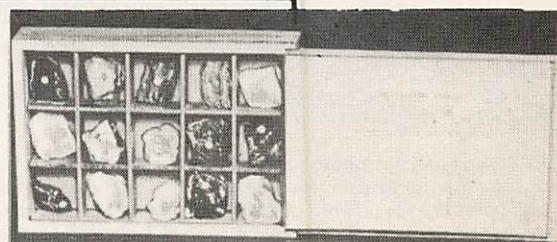
**\$7<sup>69</sup>**

(Order No. 03298-2)

### METAMORPHIC ROCKS—Set of 15

Eight commonly occurring metamorphic rocks and seven significant metamorphic minerals are provided. Each specimen averages 1x1½" in size. A Key card briefly describing metamorphic rocks and identifying the specimens is included. Packaging is in a partitioned hardwood case.

Slate	Quartzite	Graphite
Phyllite	Serpentine	Talc
Garnet schist	Soapstone	Kyanite
Gneiss	Garnet	Biotite mica
Marble	Staurolite	Chlorite





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## Rock Identification Computer ONLY \$15<sup>95</sup>

Automatically Identifies and Classifies  
Over 125 Commonly Found Rocks & Minerals

**ROCK IDENTIFICATION COMPUTER.** . . Card sorting computer 10 1/4" high x 12 1/2" wide automatically identifies and classifies over 125 commonly found rocks and minerals. . . Four tests regularly used by lapidaries and geologists are conducted. . . Tests are for luster, hardness, specific gravity and color streak properties. . . Results are then fed into computer which selects correct card from deck of 48. . . The card gives identity of material being examined. . . All necessary testing equipment, informative 20 page instruction manual and 10 rock specimens included. Order No. 03379-2 . . . \$15.95



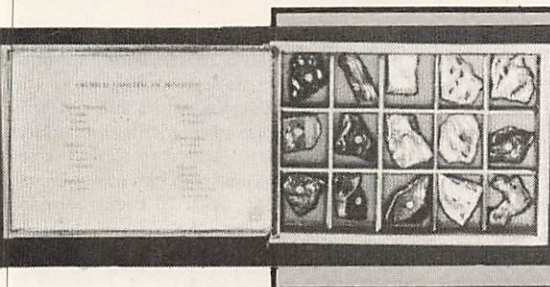
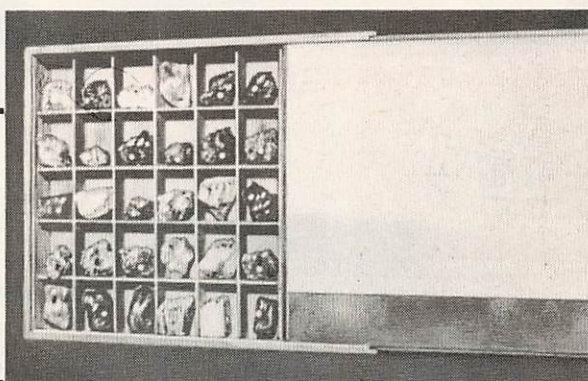
## AND MINERALS

\$29<sup>30</sup>

### WASHINGTON SCHOOL COLLECTION OF ROCKS AND MINERALS

Twenty rock forming, ore forming and useful minerals plus twenty igneous, sedimentary, and metamorphic rocks are included. Average specimen size is 1 1/2 x 2". Set is packaged in a durable, compartmented hardwood case with sliding cover and foam rubber padding. The advanced design and proven durability of this case greatly increases the useful life of this set. Reference card identifying and giving pertinent information about each specimen is included.

(Order No. 03433-2)



### CHEMICAL GROUPING OF MINERALS—Set of 15

Fifteen minerals grouped according to their chemical composition. An indispensable aid to learning the relationship between minerals of the same chemical group and the differences in physical properties between these groups. Each specimen averages 1 x 1 1/2" in size. Packages in a compartmented hardwood case with index card identifying each specimen and showing its chemical grouping included.

Native Copper	Sphalerite	Dolomite
Sulfur	Calcite	Quartz
Graphite	Pyrite	Feldspar
Galena	Hornblende	Muscovite mica
	Magnetite	

\$7<sup>69</sup>

(Order No. 03506-2)

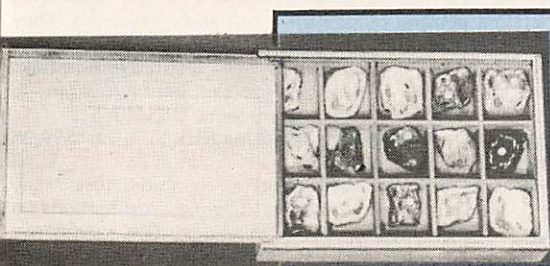
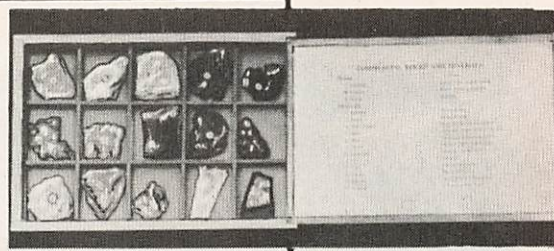
\$7<sup>69</sup>

(Order No. 03573-2)

### COMMERCIAL ROCKS AND MINERALS—Set of 15

Fifteen examples of rocks and minerals that man has found uses for. Packaged in a durable, compartmented hardwood case. Each specimen averages 1 x 1 1/2" in size. Reference sheet lists each specimen and its use. Specimens included are:

Limestone	Native Copper	Talc
Gypsum	Halite	Clay
Pumice	Mica	Fluorite
Hematite	Garnet	Asbestos
Galena	Corundum	Graphite



### ROCK FORMING MINERALS—Set of 15

These fifteen minerals are of major importance in forming the rocks of the earth's crust. Average specimen size is 1 x 1 1/2" An identification key is included. Set is packaged in a durable compartmented hardwood case, and consists of the following specimens:

Quartz	Mica, biotite	Calcite
Feldspar, orthoclase	Olivine	Hematite
Feldspar, plagioclase	Augite	Dolomite
Feldspar, microcline	Hornblende	Gypsum
Mica, muscovite	Halite	Chlorite

\$7<sup>69</sup>

(Order No. 03654-2)



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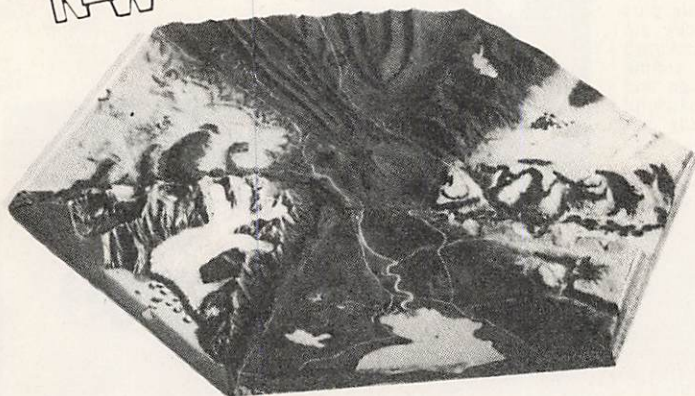
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ANN ARBOR, MICHIGAN 48104

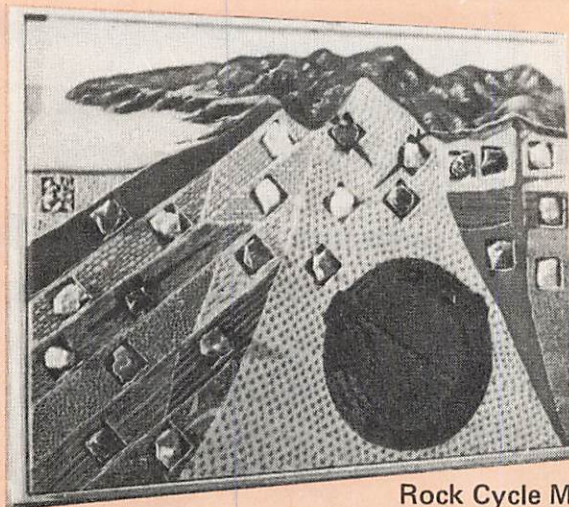


Master Land Study \$21.50 (UNPAINTED)

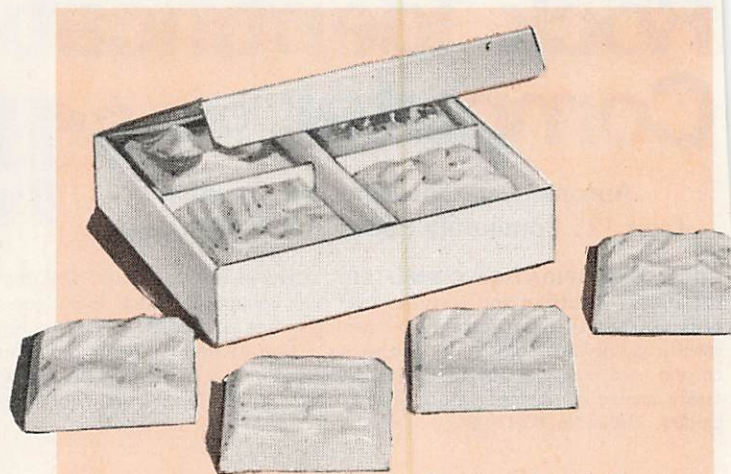
**NEW!**



Deluxe Landform Model \$90.00 (PAINTED)



Rock Cycle Model  
\$34.95



Student Land Study  
(Set of 40 Models) \$19.95

## GEOLOGY TEACHING AIDS

FROM **\$15<sup>00</sup>** SET

### 04154-2 ROCK CYCLE MODEL. . . . . \$34.95

Display-Demonstration-Project Model visually relates coastal and mountainous terrain, shown in natural color relief, with cross-section diagram of the substructure of a typical volcanic land-form. Various colors and patterns represent typical rock beds with real rock samples permanently imbedded in the area where it would be found. A diagram is added to show the sequence by which rocks change in a continuous cycle from igneous to metamorphic to sedimentary. 24" x 18", lesson plan, with 20 rocks permanently imbedded.

### 98388-2 DELUXE LANDFORM MODEL . . . . . \$90.00

8 separate Landform Models join to form a contiguous 3' x 3' model & provide the mountains, lakes, rivers, deserts, glaciers, coastlines, canyons & cultural points of interest for field trip excursions in the classroom. . . . . An accompanying lesson plan & cassettes provide for detailed examination.

### 98396-2 SET OF 7 CASSETTES (Use With No. 98388-2) . . . . . \$60.00

An audio tape for each of 7 models introduces factual information by direct visual reference to the realistic number-keyed features on the models.

### 98418-2 STUDENT LAB INVESTIGATIONS (For 98388-2) . . . \$15.00

Set of 10 workbooks which involve individual students in locating and identifying features on the models (No. 98388-2). . . . . 20 pages.

### 04235-2 MASTER LAND STUDY. . . . . \$19.95

Master Land Study offers a wealth of activities such as: locating and identifying topographic features, tracing streams, marking typical underlying earth structures, relating cultural development to natural resources. They are an excellent means for extending individual or group activities and reinforcing the concepts learned in textbooks. The eight sections join to form a continuous model 3' x 3'. All are solidly reinforced, yet lightweight, so that they may be handled safely and freely by students. Unpainted.

### 02402-2 STUDENT LAND STUDY (Set of 40 models). . . . . \$19.95

### 04073-2 ADDITIONAL LESSON PLANS. . . . . \$4.45

Four basic mountain land forms have been prepared for student use. Many projects involving the location of features and drawing cross-sections on the markable models are outlined in the study guide. The inexpensive models are 4" square and are made in light green plastic. Packed in sets of 40 (10 of each model).